

Abstract:

Title: Aesthetic outcome of immediately restored single implants placed in extraction sockets and healed sites of the anterior maxilla.

Introduction: Immediately restored single implants placed in extraction sockets and healed sites, is a newer method than other implant surgery methods. Considering this point is important that the use of this technique in the interior is a newer approach. According to this content, this study was designed and evaluated the aesthetic outcome of immediately restored single implants placed in extraction sockets and healed sites of the anterior maxilla.

Materials and Methods: In this case-series study, 18 patients were selected from two private clinics that needed to place an anterior single tooth implant including one canal to a maxillary canine. The maxillary premolar teeth were considered as candidates when they were in a beautiful area during a smile, to assess the status of aesthetics, the IBOI Pink & White Esthetic Score questionnaire was used; finally after collecting data, SPSS version 22 was analyzed by questionnaire and data entry.

Results: In general, the results of this study showed that the Status of mesial papilla, distal papilla, curve of the facial soft tissue, level of the facial peri-implant mucosa, root convexity soft tissue of the anterior maxilla of immediately restored single implants placed in extraction sockets and healed sites of the anterior maxilla At the optimal level ($P < 0.05$); Also, the results showed that there was a significant difference in soft tissue aesthetics in 6 months and 12 months ($P < 0.05$).

Conclusion: Considering the optimal position of implant placement and subsequent implantation in the anterior maxilla and its confirmation in this study and previous studies, it is recommended for dentists to use this method.

Keywords: Aesthetic state, soft tissue, Maxillary anterior teeth, immediately restored single implants.